

Message Text

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ACTION EB-07

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 TRSE-00 EUR-12

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TO SECSTATE WASH DC PRIORITY 5875

C O N F I D E N T I A L OECD PARIS 06269

EXCON

E.O. 11652 XGDS1

TAGS: ESTC, COCOM

SUBJECT: COCOM LIST REVIEW: IL 1500.1 NI - REVISED UK

PROPOSALS ON FREQUENCY SYNTHESIZERS

REFS: A. COCOM DOC REV(74) 1500 NI.1/1

B. OECD PARIS 28746, L2/2/74

C. COMMERCE TTG REPORT, 2/27/75

D. COCOM DOC REV (74) 1500 NI. 1/2

1. REF D IS UK MEMO, CIRCULATED MARCH 11 REAFFIRMS ITS INTENT TO EMBARGO FREQUENCY SYNTHESIZERS ACCORDING TO THEIR TECHNICAL CHARACTERISTICS, RATHER THAN THE METHOD OF SYNTHESIS. WITH THIS IN MIND, UK SUBMITS FOLLOWING REVISED PROPOSAL:

FREQUENCY SYNTHESIZERS (INCLUDING TRANSMITTER DRIVE UNITS, EXCITERS AND MASTER OSCILLATORS AND RECEIVER LOCAL OSCILLATORS USING FREQUENCY SYNTHESIS) AS FOLLOWS:

(A) CONTAINING FREQUENCY STANDARDS EMBARGOED BY ITEM 1529(A)

(B) FREQUENCY SYNTHESIZERS AND SYNTHESIZED SIGNAL GENERATORS (INCLUDING GENERATOR - SYNTHESIZERS AND SYNTHESIZER-GENERATORS) HAVING ANY OF THE FOLLOWING CHARACTERISTICS:-

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(I) A MAXIMUM OUTPUT FREQUENCY IN EXCESS OF 550MHZ

(II) WITH INCREMENTAL FREQUENCY RESOLUTION AND/OR
SETTING ACCURACY AS FOLLOWS:

- (1) BETTER THAN 1 PART IN 10 EXPONENT 7 OR
THE MAXIMUM OUTPUT FREQUENCY UP TO AN
OUTPUT FREQUENCY OF 10MHZ
- (2) BETTER THAN 10HZ UP TO AN OUTPUT FREQUEN-
CY OF 100MHZ
- (3) BETTER THAN 100HZ UP TO AN OUTPUT FRE-
QUENCY OF 550 MHZ

(III) ELECTRICALLY PROGRAMMABLE (IN THAT THE OUTPUT
FREQUENCY AND OTHER EQUIPMENT FUNCTIONS CAN BE
CONTROLLED OR SELECTED BY THE
INJECTION OF DIGITALLY CODED ELCTRICAL SIG-
NALS FROM AN EXTERNAL CONTROL SOURCE), WITH A
SPEED OF SWITCHING FROM ONE SELECTED OUTPUT
FREQUENCY TO ANOTHER SELECTED OUTPUT FREQUENCY
LESS THAN 10M S.

(IV) HAVING A LEVEL OF SPURIOUS COMPONENTS IN THE
OUTPUT BETTER THAN -80DB NON-HARMONIC AND/OR
-60DB HARMONIC COMPONENT MEASURED RELATIVE TO
THE SELECTED OUTPUT FREQUENCY.

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WHICH SYNTHESIZE ONE OR MORE OUTPUT FREQUEN-
CIES FROM A LESSER NUMBER OF INPUT OR MASTER
(STANDARD) FREQUENCIES BY FREQUENCY ADDITION, SUBTRAC-
TION, MULTIPLICATION, DIVISION, MIXING, FILTERING AND
COUNTING TECHNIQUES.

(II) AS BEFORE.

(III) AS BEFORE.

ADD A NEW NOTE 2(IV).

(IV) THIS ITEM INCLUDES FREQUENCY SYNTHESIZERS AND SYN-
THESIZED SIGNAL GENERATORS WITH BUILT-IN AMPLITUDE'
FREQUENCY, PHASE, PULSE OR VIDEO MODULATION FACILI-
TIES.

DELETE NOTE 3.

DELETE THE REFERENCE TO ITEM IL 1516 IN THE JUSTI-
FICATION.

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2. SEPTELS TRANSMIT RELATED REVISIONS ON IL 1516 AND
1517.

3. ACTION REQUESTED: INSTRUCTIONS ON FOREGOING AND AS
REQUESTED REF C PRIOR TO MARCH 25, WHEN THIS ITEM IS
TO BE DISCUSSED IN ROUND II.

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Message Attributes

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